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(12) **United States Patent**
Askew

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(54) **DOWNHOLE ADJUSTABLE BENT HOUSING
FOR DIRECTIONAL DRILLING**

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117.5

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(57) **ABSTRACT**

The present invention provides a hydraulically actuated downhole adjustable bent housing for use in directional drilling of bore holes and wells that allows adjustment of the housing from aligned to a bent configuration without raising or lowering the drillstring. The present invention also provides a method of directionally drilling a bore hole or a well using an downhole adjustable bent housing that can be operated without raising or lowering the drillstring.

17 Claims, 7 Drawing Sheets

